



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: STOOP

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Serial No.: 09/994,873

Group Art Unit: \_\_\_\_\_

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Docket: P- 9616.00

Title : \_\_\_\_\_

ASSOCIATE POWER OF ATTORNEY

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir or Madam:

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FEB 03 2003  
TECHNOLOGY CENTER R3700

Please recognize Eric R. Waldkoetter, Reg. No. 36,713, Thomas G. Berry, Reg. No. 31,736, Girma Wolde-Michael, Reg. No. 36,724, Daniel W. Lathan, Reg. No. 30,401, Kenneth J. Collier, Reg. No. 34,982, Curtis D. Kinghorn, Reg. No. 33,926, Stephen W. Bauer, Reg. No. 32,192, Michael C. Soldner, Reg. No. 41,455, John W. Albrecht, Reg. No. 40,481, and Paul H. McDowall, Reg. No. 34,873 as associate attorneys for the attached list of patent applications, including the above-captioned patent application, and having full authority to prosecute all matters in the Patent and Trademark Office. Please direct all further correspondence to: Eric R. Waldkoetter, c/o Kathy Illg, Medtronic, Inc., 710 Medtronic Parkway (MS-LC340), Minneapolis, Minnesota 55432-5604.

Respectfully submitted,

6-76-02  
Date

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Attachment:  
List of Patent Applications (11 pages)

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## PATENT RECORD SEARCH

| Docket No.   | Ctry | Rel. | Rel. # | Type | Status | Group | Div.  | Attorney | App No                   | Pat No. |
|--|------|------|--------|------|--------|-------|-------|----------|--------------------------|---------|
| P10029.00  | US   |      |        |      | F      |       | LW091 | TFW      | 10/127,034<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: PERCISE CARDIAC LEAD PLACEMENT BASED ON IMPEDANCE MEASUREMENTS<br>INVENTORS: Smits, Karel F.A.A.<br>Struble, Chester L.  |      |      |        |      |        |       |       |          |                          |         |
| P10157.00  | US   |      |        |      | F      |       | LW091 | TFW      | 10/127,037<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: CARDIAC RESYNCHRONIZATION WITH ADAPTIVE A1-A2 AND OR V1-V2 INTERVALS<br>INVENTORS: Grandjean, Pierre A.<br>Struble, Chester L.                                     |      |      |        |      |        |       |       |          |                          |         |
| P10183.00  | US   |      |        |      | F      |       | LW091 | TFW      | 09/897,291<br>06/29/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: CATHETER SYSTEM HAVING DISPOSABLE BALLOON<br>INVENTORS: Greco, Franceco<br>Jorgensen, Kenneth<br>Nielsen, Marianne<br>Pedersen, Anders Kirstein<br>Aundal, Knud    |      |      |        |      |        |       |       |          |                          |         |
| P10194.00  | US   |      |        |      | F      |       | LW091 | TFW      | 10/126,733<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: ESTIMATION OF STROKE VOLUME AND CARDIAC OUTPUT USING AN INTRACARDIAL PRESSURE SENSOR<br>INVENTORS: Muhlenberg, Lambert<br>Struble, Chester L.                      |      |      |        |      |        |       |       |          |                          |         |
| P10282.00  | US   |      |        |      | F      |       | LW091 | TFW      | 10/126,710<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: CARDIAC OUTPUT MEASUREMENT USING DUAL OXYGEN SENSORS IN RIGHT AND LEFT VENTRICLES<br>INVENTORS: Struble, Chester L.<br>Muhlenberg, Lambert<br>Grandjean, Pierre A. |      |      |        |      |        |       |       |          |                          |         |
| P10283.00  | US   |      |        |      | F      |       | LW091 | TFW      | 10/126,816<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: ORGANIZING DATA ACCORDING TO CARDIAC RHYTHM TYPE<br>INVENTORS: Struble, Chester L.<br>Muhlenberg, Lambert<br>Grandjean, Pierre A.                                  |      |      |        |      |        |       |       |          |                          |         |
| P10321.00  | US   |      |        |      | F      |       | LW091 | TFW      | 10/127,038<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: ATRIOVENTRICULAR DELAY ADJUSTMENT<br>INVENTORS: Struble, Chester L.<br>Muhlenberg, Lambert   |      |      |        |      |        |       |       |          |                          |         |
| P10344.00  | US   |      |        |      | F      |       | LW091 | TFW      | 10/126,638<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: SEAMLESS COMMUNICATION BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE SYSTEM<br>INVENTORS: Houben, Richard P M<br>Donders, Adrianus P. (Jos)                   |      |      |        |      |        |       |       |          |                          |         |
| P10346.00  | US   |      |        | L    | F      |       | LW091 | TFW      | 60/331,543<br>11/19/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: METHOD FOR NON-INVASIVE FETAL CARDIAC PACING<br>INVENTORS: Eick, Olaf J.<br>Miehaus, Michael<br>Houben, Richard P M  |      |      |        |      |        |       |       |          |                          |         |

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|---|------|------|------|---|------|--------|-------|-------|----------|--------------------------|---------|
| P10408.00   | US   |      |      |   | F    |        |       | LW091 | TFW      | 10/133,466<br>04/29/2002 |         |
| Agent: <span style="float: right;">Agent Ref. No:</span><br>TITLE: STIMULATION CONTROL FOR BRAIN STIMULATION<br>INVENTORS: Gielen, Frans L H  |      |      |      |   |      |        |       |       |          |                          |         |
| P10410.00   | US   |      |      |   | L F  |        |       | LW091 | TFW      | 60/333,473<br>11/28/2001 |         |
| Agent: <span style="float: right;">Agent Ref. No:</span><br>TITLE: METHOD TO SENSE A BRAIN SIGNAL CORRESPONDING TO PERCEPTION OF PAIN AND USE AS<br>FEEDBACK TO CONTROL A BRAIN NEUROSTIMULATOR, DRUG INFUSION DEVICE, OR OTHER<br>MEDICAL DEVICE<br>INVENTORS: Mullett, Keith R. |      |      |      |   |      |        |       |       |          |                          |         |
| P10410.00   | US   |      |      |   | F    |        |       | LW091 | TFW      | 10/132,508<br>04/26/2002 |         |
| Agent: <span style="float: right;">Agent Ref. No:</span><br>TITLE: BRAIN SIGNAL FEEDBACK FOR PAIN MANAGEMENT<br>INVENTORS: Mullett, Keith R.  |      |      |      |   |      |        |       |       |          |                          |         |
| P10438.00   | US   |      |      |   | F    |        |       | LW091 | TFW      | 10/131,261<br>04/25/2002 |         |
| Agent: <span style="float: right;">Agent Ref. No:</span><br>TITLE: IMPLANTABLE ELECTROPORTION THERAPY DEVICE AND METHOD FOR USING SAME<br>INVENTORS: Ferek-Petric, Bozidar  |      |      |      |   |      |        |       |       |          |                          |         |
| P10489.00   | US   |      |      |   | L F  |        |       | LW091 | TFW      | 60/336,728<br>12/07/2001 |         |
| Agent: <span style="float: right;">Agent Ref. No:</span><br>TITLE: PRECORDIAL SUPERIOR VENA CAVA ELECTRODE ARRANGEMENT FOR AN IMPLANTABLE<br>CARDIOVERTER DEFIBRILLATOR<br>INVENTORS: Smits, Karel F.A.A.   |      |      |      |   |      |        |       |       |          |                          |         |
| P10498.00   | US   |      |      |   | L F  |        |       | LW091 | TFW      | 60/375,080<br>04/25/2002 |         |
| Agent: <span style="float: right;">Agent Ref. No:</span><br>TITLE: PACEMAKER BLANKING BY MAGNETIC RESONANCE IMAGING (MRI) DEVICE<br>INVENTORS: Zeijlemaker, Volkert A   |      |      |      |   |      |        |       |       |          |                          |         |
| P10499.00   | US   |      |      |   | L F  |        |       | LW091 | TFW      | 60/375,076<br>04/25/2002 |         |
| Agent: <span style="float: right;">Agent Ref. No:</span><br>TITLE: MAGNETIC RESONANCE IMAGING (MRI) TRIGGERED BY THE IMPLANTING PACING SYSTEM<br>INVENTORS: Zeijlemaker, Volkert A  |      |      |      |   |      |        |       |       |          |                          |         |
| P10500.00   | US   |      |      |   | L F  |        |       | LW091 | TFW      | 60/375,077<br>04/25/2002 |         |
| Agent: <span style="float: right;">Agent Ref. No:</span><br>TITLE: TELEMETRY BLANKING FOR PACEMAKERS AND ICDs BY MAGNETIC RESONANCE IMAGING (MRI)<br>DEVICES<br>INVENTORS: Zeijlemaker, Volkert A   |      |      |      |   |      |        |       |       |          |                          |         |
| P10512.00   | US   |      |      |   | L F  |        |       | LW091 | TFW      | 60/375,081<br>04/25/2002 |         |
| Agent: <span style="float: right;">Agent Ref. No:</span><br>TITLE: EXTERNAL PUMP CONTROLLER<br>INVENTORS: Donders, Adrianus P. (Jos)<br>Houben, Richard P M   |      |      |      |   |      |        |       |       |          |                          |         |
| P4059.01  | US   |      |      |   | F    |        |       | LW091 | TFW      | 09/558,869<br>04/28/2000 |         |
| Agent: Frank B. Dehn & Co. <span style="float: right;">Agent Ref. No:</span><br>TITLE: METHOD AND APPARATUS FOR INHIBITING OR MINIMIZING CALCIFICATION OF AORTIC VALVES<br>INVENTORS: Sutton, Richard   |      |      |      |   |      |        |       |       |          |                          |         |
| P4517.00  | US   |      |      |   | F    |        |       | LW091 | TFW      | 09/542,258<br>04/03/2000 |         |
| Agent: <span style="float: right;">Agent Ref. No:</span><br>TITLE: DUAL CHAMBER PACING SYSTEM HAVING TIME- ADAPTIVE AV DELAY<br>INVENTORS: Struble, Chester L.<br>Heynen, Henri G.  |      |      |      |   |      |        |       |       |          |                          |         |

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| Docket No.   | Ctry | Rel. | #  | Type | Status | Group | Div.  | Attorney | App No                   | Pat No. |
|--|------|------|----|------|--------|-------|-------|----------|--------------------------|---------|
| P4566.00   | US   |      |    |      | F      |       | LW091 | TFW      | 09/721,881<br>11/27/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: STENTS AND METHODS FOR PREPARING STENTS FROM WIRES HAVING HYDROGEL COATING<br>LAYERS THEREON<br>INVENTORS: Verhoeven, Michel<br>Cahalan, Patrick T.<br>Cahalan, Linda L.<br>Larik, Vincent |      |      |    |      |        |       |       |          |                          |         |
| P4782.03   | US   | C    | 01 | M    | F      |       | LW091 | TFW      | 09/494,531<br>01/31/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: SYSTEM AND METHOD FOR RESPIRATION - MODULATED PACING<br>INVENTORS: Renirie, Alexis C.M.<br>Schouten, Vincent JA  |      |      |    |      |        |       |       |          |                          |         |
| P4971.04   | US   | C    | 01 | M    | F      |       | LW091 | TFW      | 09/433,567<br>11/04/1999 |         |
| Agent: Agent Ref. No:<br>TITLE: SYSTEM FOR PANCREATIC STIMULATION AND GLUCOSE MEASUREMENT<br>INVENTORS: Houben, Richard P M<br>Renirie, Alexis C.M.<br>Weijand, Koen J.  |      |      |    |      |        |       |       |          |                          |         |
| P4971.05   | US   | D    | 02 |      | F      |       | LW091 | TFW      | 09/551,216<br>04/17/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: A SYSTEM FOR DELIVERING INSULIN<br>INVENTORS: Houben, Richard P M<br>Renirie, Alexis C.M.<br>Weijand, Koen J.  |      |      |    |      |        |       |       |          |                          |         |
| P4971.07   | US   | C    | 02 |      | F      |       | LW091 | TFW      | 09/945,686<br>09/05/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: SYSTEM FOR PANCREATIC STIMULATION AND GLUCOSE MEASUREMENT<br>INVENTORS: Houben, Richard P M<br>Renirie, Alexis C.M.<br>Weijand, Koen J.  |      |      |    |      |        |       |       |          |                          |         |
| P7322.02   | US   | D    | 01 |      | F      |       | LW091 | TFW      | 09/558,872<br>04/28/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: IMPLANTABLE DRUG INFUSION DEVICE HAVING A FLOW REGULATOR<br>INVENTORS: Renaud, Philippe<br>Haller, Markus<br>Amacker, Christian  |      |      |    |      |        |       |       |          |                          |         |
| P7322.04   | US   | C    | 01 |      | F      |       | LW091 | TFW      | 09/712,237<br>11/15/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: IMPLANTABLE DRUG INFUSION DEVICE HAVING A FLOW REGULATOR<br>INVENTORS: Renaud, Philippe<br>Haller, Markus<br>Amacker, Christian  |      |      |    |      |        |       |       |          |                          |         |
| P7326.02   | US   | D    | 01 | M    | F      |       | LW091 | TFW      | 09/273,457<br>03/22/1999 |         |
| Agent: Agent Ref. No:<br>TITLE: MEDICAL ELECTRICAL LEAD<br>INVENTORS: Woloszko, Jean<br>Camps, Antoine N J M (Toine)<br>Van Der Kruk, Ron  |      |      |    |      |        |       |       |          |                          |         |
| P7354.02   | US   | P    | 01 | M    | F      |       | LW091 | TFW      | 09/494,530<br>01/31/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: SAFTEY VALVE ASSEMBLY FOR IMPLANTABLE BENEFICIAL AGENT INFUSION DEVICE<br>INVENTORS: Haller, Markus<br>Weijand, Koen J.  |      |      |    |      |        |       |       |          |                          |         |

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|--|------|------|--------|------|--------|-------|-------|----------|--------------------------|---------|
| P7354.03   | US   | P    | 02     |      | F      |       | LW091 | TFW      | 09/519,563<br>03/06/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: DRIVE CIRCUIT HAVING IMPROVED ENERGY EFFICIENCY FOR IMPLANTABLE BENEFICIAL AGENT<br>INFUSION OR DELIVERY DEVICE<br>INVENTORS: Haller, Markus<br>Weijand, Koen J.   |      |      |        |      |        |       |       |          |                          |         |
| P7354.06   | US   | D    | 01     |      | F      |       | LW091 | TFW      | 10/132,515<br>04/26/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: SAFETY VALVE ASSEMBLY FOR IMPLANTABLE BENEFICIAL AGENT INFUSION DEVICE<br>INVENTORS: Haller, Markus<br>Weijand, Koen J.  |      |      |        |      |        |       |       |          |                          |         |
| P7354.07   | US   | D    | 02     |      | F      |       | LW091 | TFW      | 10/132,514<br>04/26/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: SAFETY VALVES ASSEMBLY FOR IMPLANTABLE BENEFICIAL AGENT INFUSION DEVICE<br>INVENTORS: Haller, Markus<br>Weijand, Koen J.   |      |      |        |      |        |       |       |          |                          |         |
| P7438.06   | US   | P    | 01     |      | F      |       | LW091 | TFW      | 09/871,657<br>06/04/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: DEVICES, SYSTEMS AND METHODS FOR TRANSLUMINALLY AND CONTROLLABLY FORMING<br>INTRAMYOCARDIAL CHANNELS IN CARDIAC TISSUE<br>INVENTORS: Dietz, Ulrich<br>Eick, Olaf J.<br>Duysens, Victor<br>Darius, Harold |      |      |        |      |        |       |       |          |                          |         |
| P7492.01   | US   | D    | 01     |      | F      |       | LW091 | TFW      | 09/746,011<br>12/26/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: LAMINA PROSTHESIS FOR DELIVERY OF MEDICAL TREATMENT<br>INVENTORS: Gielen, Frans L H<br>Knuth, Henricus M.  |      |      |        |      |        |       |       |          |                          |         |
| P7492.02   | US   | D    | 02     |      | F      |       | LW091 | TFW      | 09/746,021<br>12/26/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: LAMINA PROSTHESIS FOR DELIVERY OF MEDICAL TREATMENT<br>INVENTORS: Gielen, Frans L H<br>Knuth, Henricus M.  |      |      |        |      |        |       |       |          |                          |         |
| P7553.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/433,564<br>11/04/1999 |         |
| Agent: Agent Ref. No:<br>TITLE: BIOLOGICAL TISSUE ADHESIVES, ARTICLES, AND METHODS<br>INVENTORS: Hendriks, Marc<br>Verhoeven, Michel<br>Cahalan, Patrick T.<br>Larik, Vincent  |      |      |        |      |        |       |       |          |                          |         |
| P7553.01   | US   | D    | 01     |      | F      |       | LW091 | TFW      | 10/132,516<br>04/26/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: BIOLOGICAL TISSUE ADHESIVES, ARTICLES, AND METHODS<br>INVENTORS: Hendriks, Marc<br>Verhoeven, Michel<br>Cahalan, Patrick T.<br>Larik, Vincent  |      |      |        |      |        |       |       |          |                          |         |

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|---|------|------|--------|------|--------|-------|-------|----------|--------------------------|---------|
| P7565.00  | US   |      |        |      | F      |       | LW091 | TFW      | 09/340,440<br>06/28/1999 |         |
| Agent: Agent Ref. No:<br>TITLE: IMPLANTABLE DEVICE INCLUDING A POLYAMINO ACID COMPONENT<br>INVENTORS: Larik, Vincent<br>Hendriks, Marc<br>Cahalan, Patrick T.<br>Verhoeven, Michel<br>Cahalan, Linda L. |      |      |        |      |        |       |       |          |                          |         |
| P7640.08  | US   | D    | 06     |      | F      |       | LW091 | TFW      | 09/946,495<br>09/06/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: FOUR-CHAMBER PACING SYSTEM FOR OPTIMIZING CARDIAC OUTPUT AND DETERMINING<br>HEART CONDITION<br>INVENTORS: Leinders, Robert<br>Bakels, Arnoldus P.<br>DeRoos, Cobus      |      |      |        |      |        |       |       |          |                          |         |
| P7718.00  | US   |      |        |      | F      |       | LW091 | TFW      | 09/449,936<br>11/29/1999 |         |
| Agent: Agent Ref. No:<br>TITLE: MEDICAL ELECTRICAL LEAD HAVING BENDING STIFFNESSES WHICH INCREASE IN THE DISTAL<br>DIRECTION<br>INVENTORS: Smits, Karel F.A.A.  |      |      |        |      |        |       |       |          |                          |         |
| P7718.03  | US   | D    | 01     |      | F      |       | LW091 | TFW      | 09/947,060<br>09/06/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: MEDICAL ELECTRICAL LEAD HAVING BENDING STIFFNESSES WHICH INCREASE IN THE DISTAL<br>DIRECTION<br>INVENTORS: Smits, Karel F.A.A.  |      |      |        |      |        |       |       |          |                          |         |
| P7853.01  | US   | D    | 01     |      | F      |       | LW091 | TFW      | 09/832,925<br>04/12/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: APPARATUS AND METHOD FOR MEASURING THE AMOUNT OF FLUID CONTAINED IN AN<br>IMPLANTABLE MEDICAL DEVICE<br>INVENTORS: Peer, Twan<br>Bakels, Arnoldus P.                    |      |      |        |      |        |       |       |          |                          |         |
| P7856.02  | US   | D    | 01     |      | F      |       | LW091 | TFW      | 09/799,709<br>03/07/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: SYSTEM AND METHOD FOR OPTIMIZED BRAIN STIMULATION<br>INVENTORS: Gielen, Frans L H   |      |      |        |      |        |       |       |          |                          |         |
| P7902.00  | US   |      |        |      | F      |       | LW091 | TFW      | 09/340,441<br>06/28/1999 |         |
| Agent: Agent Ref. No:<br>TITLE: METHOD FOR COATING IMPLANTABLE DEVICES<br>INVENTORS: Martinez, Gonzalo<br>Taylor, John J<br>Keeney, Kenneth W.<br>Haller, Markus  |      |      |        |      |        |       |       |          |                          |         |
| P7946.00  | US   |      |        |      | F      |       | LW091 | TFW      | 09/779,535<br>02/09/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: METHODS FOR MODIFYING SURFACES OF ARTICLES<br>INVENTORS: Koullik, Edouard<br>Cahalan, Patrick T.<br>Iwata, Hiroo  |      |      |        |      |        |       |       |          |                          |         |
| P8027.00  | US   |      |        |      | F      |       | LW091 | TFW      | 09/348,506<br>07/07/1999 |         |
| Agent: Agent Ref. No:<br>TITLE: SYSTEM FOR REMOTE COMMUNICATION WITH A MEDICAL DEVICE<br>INVENTORS: Ferek-Petric, Bozidar   |      |      |        |      |        |       |       |          |                          |         |

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|--|------|------|--------|------|--------|-------|-------|----------|--------------------------|---------|
| P8032.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/842,404<br>04/26/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: DIAGNOSTIC FEATURES IN BI-ATRIAL AND/OR BI-VENTRICULAR PACING SYSTEMS<br>INVENTORS: Struble, Chester L.  |      |      |        |      |        |       |       |          |                          |         |
| P8047.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/518,796<br>03/03/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: SYSTEM AND METHOD FOR MONITORING AND CONTROLLING THE GLYCEMIC STATE OF A PATIENT<br>INVENTORS: Houben, Richard P M<br>Larik, Vincent                 |      |      |        |      |        |       |       |          |                          |         |
| P8131.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/558,867<br>04/28/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: CORONARY SINUS FLOW REGULATED PACING<br>INVENTORS: Ferek-Petric, Bozidar   |      |      |        |      |        |       |       |          |                          |         |
| P8158.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/558,870<br>04/28/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: ISCHEMIC HEART DISEASE DETECTION<br>INVENTORS: Ferek-Petric, Bozidar   |      |      |        |      |        |       |       |          |                          |         |
| P8158.02   | US   | D    | 01     |      | F      |       | LW091 | TFW      | 10/085,072<br>03/01/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: ISCHEMIC HEART DISEASE DETECTION<br>INVENTORS: Ferek-Petric, Bozidar   |      |      |        |      |        |       |       |          |                          |         |
| P8158.03   | US   | D    | 02     |      | F      |       | LW091 | TFW      | 10/085,047<br>03/01/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: ISCHEMIC HEART DISEASE DETECTION<br>INVENTORS: Ferek-Petric, Bozidar   |      |      |        |      |        |       |       |          |                          |         |
| P8191.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/843,914<br>04/30/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: METHODS FOR ADJUSTING CARDIAC DETECTION CRITERIA AND IMPLANTABLE MEDICAL DEVICES<br>USING SAME<br>INVENTORS: Ferek-Petric, Bozidar                   |      |      |        |      |        |       |       |          |                          |         |
| P8240.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/779,536<br>02/09/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: HEPARIN COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME<br>INVENTORS: Koullik, Edouard   |      |      |        |      |        |       |       |          |                          |         |
| P8278.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/842,879<br>04/27/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: CONTROL OF PACING RATE IN MODE SWITCHING IMPLANTABLE MEDICAL DEVICES<br>INVENTORS: Mueting, Raasch, Gebhardt<br>Struble, Chester L.<br>Dunham, David |      |      |        |      |        |       |       |          |                          |         |
| P8279.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/842,884<br>04/27/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: COMMITTED VENTRICULAR SAFETY PACING<br>INVENTORS: Struble, Chester L.  |      |      |        |      |        |       |       |          |                          |         |
| P8382.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/842,233<br>04/26/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: HYSTERESIS ACTIVATION OF ACCELERATED PACING<br>INVENTORS: Struble, Chester L.<br>Grandjean, Pierre A.  |      |      |        |      |        |       |       |          |                          |         |

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| P8418.00   | US   |      |    |      | F      |       | LW091 | TFW      | 09/353,619<br>07/15/1999 |         |
| Agent: Agent Ref. No:<br>TITLE: SYSTEM FOR PROVIDING MEDICAL ELECTRICAL STIMULATION<br>INVENTORS: Holsheimer, Jan  |      |      |    |      |        |       |       |          |                          |         |
| P8553.00   | US   | P    | 01 |      | F      |       | LW091 | TFW      | 09/519,562<br>03/06/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: MEDICAL ELECTRICAL LEAD WITH INTERCHANGEABLE FIXATION MEMBER<br>INVENTORS: Camps, Antoine N J M (Toine)<br>Duysens, Victor<br>Kretzers, Leonardus J. C.<br>Gerber, Martin T.         |      |      |    |      |        |       |       |          |                          |         |
| P8553.01   | US   | D    | 01 |      | F      |       | LW091 | TFW      | 10/132,513<br>04/26/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: METHOD OF IMPLANTING A MEDICAL ELECTRICAL LEAD<br>INVENTORS: Camps, Antoine N J M (Toine)<br>Duysens, Victor<br>Kretzers, Leonardus J. C.<br>Gerber, Martin T.                       |      |      |    |      |        |       |       |          |                          |         |
| P8564.00   | US   |      |    |      | F      |       | LW091 | TFW      | 10/131,417<br>04/25/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: VENTRICULAR SAFETY PACING IN BIVENTRICULAR PACING<br>INVENTORS: Kramm, Berthold  |      |      |    |      |        |       |       |          |                          |         |
| P8572.00   | US   |      |    |      | F      |       | LW091 | TFW      | 10/004,848<br>12/04/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: PATIENT ACTIVATED ADMINISTRATION OF DRUG BOLUS FROM IMPLANTABLE DRUG DELIVERY SYSTEM<br>INVENTORS: Haller, Markus  |      |      |    |      |        |       |       |          |                          |         |
| P8573.00   | US   |      |    |      | F      |       | LW091 | TFW      | 09/727,461<br>12/04/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: MEDICAL DEVICE AND METHODS OF USE<br>INVENTORS: Hendriks, Marc   |      |      |    |      |        |       |       |          |                          |         |
| P8580.03   | US   | D    | 01 |      | F      |       | LW091 | TFW      | 09/947,433<br>09/07/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: TEMPORARY MEDICAL ELECTRICAL LEAD HAVING BIODEGRADABLE ELECTRODE MOUNTING PAD LOADED WITH THERAPEUTIC DRUG<br>INVENTORS: Lindemans, Fredric W.<br>Gebhardt, Ursula<br>Hendriks, Marc |      |      |    |      |        |       |       |          |                          |         |
| P8623.00   | US   |      |    |      | F      |       | LW091 | TFW      | 09/842,232<br>04/26/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: PVC RESPONSE-TRIGGERED BLANKING IN A CARDIAC PACING SYSTEM<br>INVENTORS: Struble, Chester L.   |      |      |    |      |        |       |       |          |                          |         |
| P8722.00   | US   |      |    |      | F      |       | LW091 | TFW      | 09/779,537<br>02/09/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: ECHOGENIC DEVICES AND METHODS OF MAKING AND USING SUCH DEVICES<br>INVENTORS: Koullik, Edouard  |      |      |    |      |        |       |       |          |                          |         |
| P8799.00   | US   |      |    |      | F      |       | LW091 | TFW      | 10/127,033<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: INSULIN-MEDICATED GLUCOSE UPTAKE MONITOR<br>INVENTORS: Houben, Richard P M   |      |      |    |      |        |       |       |          |                          |         |



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| P8892.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/727,462<br>12/04/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: IMPLANTABLE MEDICAL DEVICE TELEMETRY CONTROL SYSTEMS AND METHODS OF USE<br>INVENTORS: Ferek-Petric, Bozidar  |      |      |        |      |        |       |       |          |                          |         |
| P8936.00   | US   |      |        |      | F      |       | LW091 | TFW      | 10/132,510<br>04/26/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: CAPTURE MANAGEMENT IN MULTI-SITE PACING<br>INVENTORS: Ferek-Petric, Bozidar  |      |      |        |      |        |       |       |          |                          |         |
| P8937.00   | US   |      |        |      | F      |       | LW091 | TFW      | 10/126,604<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: DETECTING COAGULUM FORMATION<br>INVENTORS: Eick, Olaf J.   |      |      |        |      |        |       |       |          |                          |         |
| P8943.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/742,118<br>12/22/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: IMPLANTABLE MEDICAL DEVICE PROGRAMMING WANDS HAVING INTEGRAL INPUT DEVICE<br>INVENTORS: Ferek-Petric, Bozidar  |      |      |        |      |        |       |       |          |                          |         |
| P8946.00   | US   |      |        |      | F      |       | LW091 | TFW      | 10/132,320<br>04/26/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: ULTRASONIC SEPTUM MONITORING FOR IMPLANTABLE MEDICAL DEVICES<br>INVENTORS: Houben, Richard P M<br>Donders, Adrianus P. (Jos)   |      |      |        |      |        |       |       |          |                          |         |
| P8975.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/449,934<br>11/29/1999 |         |
| Agent: Agent Ref. No:<br>TITLE: MEDICAL ELECTRICAL LEAD HAVING VARIABLE BENDING STIFFNESS<br>INVENTORS: Smits, Karel F.A.A.  |      |      |        |      |        |       |       |          |                          |         |
| P8975.03   | US   | D    | 01     |      | F      |       | LW091 | TFW      | 09/947,065<br>09/06/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: MEDICAL ELECTRICAL LEAD HAVING VARIABLE BENDING STIFFNESS<br>INVENTORS: Smits, Karel F.A.A.  |      |      |        |      |        |       |       |          |                          |         |
| P9030.00   | US   |      |        |      | F      |       | LW091 | ERW      | 09/535,840<br>03/28/2000 |         |
| Agent: Agent Ref. No:<br>TITLE: PANCREATIC SECRETION RESPONSE TO STIMULATION TEST PROTOCOL<br>INVENTORS: Marchal, Benoit   |      |      |        |      |        |       |       |          |                          |         |
| P9073.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/765,506<br>01/18/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: MINIATURIZED DRUG DELIVERY DEVICES SYSTEMS AND METHODS<br>INVENTORS: Haller, Markus<br>Clement, Claude   |      |      |        |      |        |       |       |          |                          |         |
| P9085.00   | US   | P    | 01     |      | F      |       | LW091 | TFW      | 09/765,484<br>01/18/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: SYSTEM AND METHOD OF COMMUNICATING BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A<br>REMOTE COMPUTER SYSTEM OR HEALTH CARE PROVIDER<br>INVENTORS: Haller, Markus<br>Donders, Adrianus P. (Jos)<br>Ferek-Petric, Bozidar |      |      |        |      |        |       |       |          |                          |         |
| P9206.00   | US   |      |        |      | F      |       | LW091 | TFW      | 10/126,516<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: CARDIAC RESYNCHRONIZATION WITH ADAPTIVE A1-A2 AND OR V1-V2 INTERVALS<br>INVENTORS: Struble, Chester L.<br>Grandjean, Pierre A.   |      |      |        |      |        |       |       |          |                          |         |

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| P9258.00   | US   |      |        |      | F      |       | LW091 | TFW      | 10/132,509<br>04/26/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: ABLATION METHOD AND MEDICAL APPARATUS USING SAME<br>INVENTORS: Ferek-Petric, Bozidar   |      |      |        |      |        |       |       |          |                          |         |
| P9416.00   | US   | P    | 01     |      | F      |       | LW091 | TFW      | 09/764,700<br>01/18/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: SYSTEM AND METHOD FOR EMERGENCY COMMUNICATION BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE COMPUTER SYSTEM OF HEALTH CARE PROVIDER<br>INVENTORS: Haller, Markus<br>Ferek-Petric, Bozidar<br>Donders, Adrianus P. (Jos)           |      |      |        |      |        |       |       |          |                          |         |
| P9417.00   | US   | P    | 01     |      | F      |       | LW091 | TFW      | 09/765,218<br>01/18/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: SYSTEM AND METHOD OF AUTOMATED INVOICING FOR COMMUNICATIONS BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE COMPUTER SYSTEM FOR HEALTH PROVIDER<br>INVENTORS: Haller, Markus<br>Ferek-Petric, Bozidar<br>Donders, Adrianus P. (Jos) |      |      |        |      |        |       |       |          |                          |         |
| P9418.00   | US   | P    | 01     |      | F      |       | LW091 | TFW      | 09/764,681<br>01/18/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: SYSTEM AND METHOD FOR REMOTE PROGRAMMING OF AN IMPLANTABLE MEDICAL DEVICE<br>INVENTORS: Haller, Markus<br>Ferek-Petric, Bozidar<br>Donders, Adrianus P. (Jos)  |      |      |        |      |        |       |       |          |                          |         |
| P9436.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/842,147<br>04/26/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: PRESSURE- MODULATED RATE-RESPONSIVE CARDIAC PACING<br>INVENTORS: Struble, Chester L.   |      |      |        |      |        |       |       |          |                          |         |
| P9437.00   | US   |      |        |      | F      |       | LW091 | TFW      | 10/126,538<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: IMPLANTABLE DRUG DELIVERY SYSTEM RESPONSIVE TO INTRA-CARDIAC PRESSURE<br>INVENTORS: Struble, Chester L.  |      |      |        |      |        |       |       |          |                          |         |
| P9440.00   | US   |      |        |      | F      |       | LW091 | TFW      | 09/842,148<br>04/26/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: DRUG DELIVERY FOR TREATMENT OF CARDIAC ARRHYTHMIA<br>INVENTORS: Struble, Chester L.  |      |      |        |      |        |       |       |          |                          |         |
| P9463.00   | US   |      |        |      | F      |       | LW091 | TFW      | 10/126,858<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: PRESSURE-MODULATED ENERGY LEVEL FOR PACING PULSES<br>INVENTORS: Struble, Chester L.  |      |      |        |      |        |       |       |          |                          |         |
| P9464.00   | US   |      |        |      | F      |       | LW091 | TFW      | 10/126,539<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: CARDIAC RESTRAINT WITH ELECTRODE ATTACHMENT SITES<br>INVENTORS: Struble, Chester L.<br>Grandjean, Pierre A.<br>Zeijlemaker, Volkert A<br>Smits, Karel F.A.A.   |      |      |        |      |        |       |       |          |                          |         |

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| P9473.00   | US   |      |   | F    |        | LW091 |      | TFW      | 09/879,282<br>06/12/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: DEEP TRENCH SEMICONDUCTOR CAPACITORS HAVING REVERSE BIAS DIODES FOR IMPLANTABLE MEDICAL DEVICES<br>INVENTORS: Houben, Richard P M<br>Weijand, Koen J.  |      |      |   |      |        |       |      |          |                          |         |
| P9475.00   | US   |      |   | F    |        | LW091 |      | TFW      | 10/001,148<br>11/15/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: MYOCARDIAL PERFORMANCE ASSESSMENT<br>INVENTORS: Corbucci, Giorgio  |      |      |   |      |        |       |      |          |                          |         |
| P9491.00   | US   |      |   | F    |        | LW091 |      | TFW      | 09/842,813<br>04/27/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: CLOSED LOOP NEUROMODULATION FOR SUPPRESSION OF EPILEPTIC ACTIVITY<br>INVENTORS: Wadman, Wytse<br>Gielen, Frans L H   |      |      |   |      |        |       |      |          |                          |         |
| P9511.00   | US   |      |   | F    |        | LW091 |      | TFW      | 10/126,537<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: BURR HOLE ASSEMBLY FOR STEREOTACTIC FIXATION OF A BRAIN PROBE<br>INVENTORS: Gielen, Frans L H<br>Cornu, Philippe   |      |      |   |      |        |       |      |          |                          |         |
| P9557.00   | US   |      |   | F    |        | LW091 |      | TFW      | 09/909,999<br>07/23/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: CELL- BASED BIOSENSORS SUITABLE FOR IMPLANTABLE MEDICAL DEVICE APPLICATIONS<br>INVENTORS: Houben, Richard P M<br>Larik, Vincent  |      |      |   |      |        |       |      |          |                          |         |
| P9648.00   | US   |      |   | F    |        | LW091 |      | TFW      | 10/126,522<br>04/22/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: ANTI-TACHYCARDIA PACING BASED ON MULTI-SITE ELECTROGRAMS<br>INVENTORS: Struble, Chester L.   |      |      |   |      |        |       |      |          |                          |         |
| P9711.00   | US   |      |   | L    | F      | LW091 |      | TFW      | 60/371,543<br>04/11/2002 |         |
| Agent: Agent Ref. No:<br>TITLE: METHOD AND APPARATUS FOR AUTOMATIC SHUTDOWN OF HIGH FREQUENCY DELIVERY UPON CATHETER DISLOCATION<br>INVENTORS: Eick, Olaf J.<br>Feron, John C.M.J.   |      |      |   |      |        |       |      |          |                          |         |
| P9774.00   | US   |      |   | L    | F      | LW091 |      | TFW      | 60/333,762<br>11/29/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: TRANS-SEPTAL MEDICAL ELECTRICAL LEADS AND METHODS OF STIMULATING A HEART<br>INVENTORS: Struble, Chester L.<br>Prinzen, Frits W.<br>Smits, Karel F.A.A.<br>Muhlenberg, Lambert<br>Grandjean, Pierre A.<br>Michels, Koen<br>Lokhoff, Nicolaas M. |      |      |   |      |        |       |      |          |                          |         |
| P9781.00   | US   |      |   | F    |        | LW091 |      | TFW      | 10/008,773<br>12/05/2001 |         |
| Agent: Agent Ref. No:<br>TITLE: DIRECTIONAL BRAIN STIMULATION AND RECORDING LEADS<br>INVENTORS: Van Venrooij, Paulus<br>Gielen, Frans L H<br>Mullett, Keith R.<br>Duysens, Victor<br>Gruia, Dan  |      |      |   |      |        |       |      |          |                          |         |

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| P9897.00   | US   |      |        |      | F      |       | LW091 | TFW      | 10/131,256<br>04/25/2002 |         |

Agent: Agent Ref. No:  
TITLE: ULTRASOUND METHODS AND IMPLANTABLE MEDICAL DEVICES USING SAME  
INVENTORS: Ferek-Petric, Bozidar  
Breyer, Branko

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| P9929.00 | US |  |  |  | F |  | LW091 | TFW | 10/127,041<br>04/22/2002 |  |
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Agent: Agent Ref. No:  
TITLE: ANTI-SLIP LEADS FOR PLACEMENT WITHIN TISSUE  
INVENTORS: Struble, Chester L.  
Grandjean, Pierre A.  
Smits, Karel F.A.A.

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98 TOTAL RECORDS REPORTED